

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	170620	transmission adj line	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/13 09:57
L2	5058	1 same shunt	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/13 09:57
L3	1351	2 same phase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/13 09:58
L4	64	3 same reactive same capacitor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/13 11:22
L5	2	4 same (VSC (voltage adj source adj converter))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/13 11:22
L6	125	1 same impedance same capacitor same converter same series	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/13 10:41
L7	11	6 same shunt same phase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/13 10:41
L8	34	3 same reactive same capacitor same inductor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/13 11:22
L9	0	8 same (VSC (voltage adj source adj converter))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/13 11:23

## EAST Search History

L10	1	8 same converter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/13 11:54
L11	454	323/205.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/13 11:54
L12	42	11 and transmission adj lines	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/13 11:54
L13	5	12 and impedance same capacitor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/13 11:56
L15	5	((transmission adj lines) and shunt and impedance and capacitor and (VSC voltage adj source adj converter))	US-PGPUB	OR	ON	2006/07/13 12:56
L16	80	(307/98).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/07/13 12:00
L17	1	((transmission adj lines) and shunt and impedance and capacitor and (VSC voltage adj source adj converter)).clm.	US-PGPUB	OR	ON	2006/07/13 12:56
L18	2	((transmission adj lines) and shunt and impedance and capacitor and converter).clm.	US-PGPUB	OR	ON	2006/07/13 12:57
S1	78	(307/98).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/12/29 09:59
S2	35	S1 and line\$3	US-PGPUB; USPAT	OR	ON	2005/12/29 10:00
S3	16	S2 and transmission	US-PGPUB; USPAT	OR	ON	2005/12/29 10:29
S5	616	shunt adj connection	US-PGPUB; USPAT	OR	ON	2005/12/29 10:30
S6	53	S5 and power adj lines	US-PGPUB; USPAT	OR	ON	2005/12/29 10:30
S7	6	("4939617"   "4999565"   "5032738"   "5309346"   "5343139"   "5825162").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/29 13:28

## EAST Search History

S8	6	("4651265"   "4930064"   "5041959"   "5051683"   "5136494"   "5198746").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/29 13:32
S9	2	("4417194"   "4695932").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/29 13:43
S10	57	("1738344"   "1931644"   "1940295"   "2078667"   "2243584"   "2293484"   "2298026"   "2436302"   "2451939"   "2460467"   "2484575"   "2705301"   "2871439"   "2881376"   "3002146"   "3002147"   "3043115"   "3084323"   "3185811"   "3375433"   "3391329"   "3419792"   "3530370"   "3675117"   "3731183"   "3821456"   "3829758"   "3832625"   "3855519"   "4037044"   "4052648"   "4139723"   "4162442").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/29 13:47
S11	5	("4418380"   "4529925"   "4570214"   "4760321"   "4812669").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/29 14:12
S12	6	("4434376"   "4724333"   "4999565"   "5032738"   "5291120"   "5367197").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/29 14:35
S13	7	("3555291"   "3813593"   "4139723"   "4331882"   "4355241"   "4434376"   "4551780").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/29 14:39
S14	14	("2241831"   "2636997"   "2682037"   "2959738"   "3038134"   "3249811"   "3290578").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/29 15:09
S16	10	S1 and (converter\$3)	US-PGPUB; USPAT	OR	ON	2005/12/29 15:11
S17	13	("3842339"   "4992919"   "5008560"   "5018058"   "5109185"   "5559685"   "5654679"   "5895979"   "5942884"   "5943229"   "6014322"   "6313640"   "6404655").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/29 15:18
S18	68321	transmission adj lines	US-PGPUB; USPAT	OR	ON	2005/12/29 15:19
S19	15389	S18 and converter\$	US-PGPUB; USPAT	OR	ON	2005/12/29 15:20
S20	23	S19 and shunt adj connection	US-PGPUB; USPAT	OR	ON	2005/12/29 15:20

## EAST Search History

S21	20	("2284406"   "2333015"   "2716736"   "2825869"   "3409822"   "3757201"   "4163189"   "4210859"   "4393157"   "5404101"   "5672967"   "5936503"   "6232865"   "6307468"   "6429765").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/29 15:25
S22	6	("4939617"   "4999565"   "5032738"   "5309346"   "5343139"   "5825162").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/29 15:27
S23	11	("3936727"   "3963978"   "4356440"   "4434376"   "4567424"   "4680531"   "4829229"   "4999565"   "5032738"   "5343139"   "5420495").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/29 15:30
S24	6	("3703680"   "3731183"   "4234843"   "4292545"   "4470005"   "4829229").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/29 16:06
S25	50	("5657257" "5757626" "5808881" "4800481" RE32901 "5309399" "5736842" "5946086" "5517132" "5619403" "5719474" "6118673" "5268617" "5442540" "5554954" "5886586" "6008633" "6028468" "6051961" "6160374" "4513361" "4607323" "4970438" "4980620" "5248935" "5278748" "5691631" "5701239" "5780939" "5892677" "5959849" "5980095" "5991172" "6028418" "6051806" "6087787" "6118678" "6144567" "4438485" "4553197" "4571553" "4599672" "4602166" "4622474" "4835409" "4835410" "4857822" "4908752" "4931716" "4989261").pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/29 16:06
S26	7	("3968419"   "4259713"   "4274043"   "5535113"   "5561597"   "5841644"   "5999388").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/30 07:03
S37	3	"6114841"	US-PGPUB; USPAT	OR	ON	2005/12/30 07:46
S38	9	("4752726"   "5179510"   "5535113"   "5566061"   "5946205"   "6025701"   "6114841"   "6573690"   "6611438").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/30 07:49
S39	4	("4757434"   "5646511"   "5790396"   "6407536").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/30 07:54
S40	5	("5198746"   "5309346"   "5343139"   "5400240"   "5422518").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/30 08:04

## EAST Search History

S41	5	("4174497"   "4780660"   "5138247"   "5321598"   "5734256").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/30 08:11
S42	12	("3825815"   "4479082"   "4651265"   "4707651"   "4713745"   "4812669"   "4862054"   "4885518"   "4962339"   "5005115"   "5063532"   "5182463").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/30 08:29
S43	6	("3900792"   "3968422"   "4019124"   "4570214"   "4647837"   "4752726").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/30 08:47
S44	3	("3936727"   "4028614"   "4602199").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/30 08:51
S45	12	("3207974"   "3555396"   "3909687"   "3959719"   "4039926"   "4431957"   "4446414"   "4449087"   "4454470"   "4496899").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/30 08:53
S46	3	("3624476"   "3924173"   "3935528").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/30 09:05
S47	1	("3999117").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/30 11:05
S48	1693	VSC	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/04 13:15
S49	53	S48 and transmission adj lines	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/30 11:06
S50	78	(307/98).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/12/30 11:26
S52	25	"307"/\$.CCLS. AND VSC	US-PGPUB; USPAT	OR	ON	2005/12/30 11:27
S53	10	("4695932"   "4731547"   "5146383"   "5204548"   "5256993"   "5329222"   "5376828"   "5514915"   "5610958"   "5656870").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/30 11:44
S54	5	("4263517"   "4648018"   "4727467"   "4941079"   "5535113").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/30 13:15
S55	1	("6493242").PN.	US-PGPUB; USPAT	OR	OFF	2005/12/30 13:15

## EAST Search History

S56	29	("3581212"   "3824441"   "3824450"   "4353112"   "4541039"   "4625271"   "4841165"   "4994952"   "5041956"   "5282125"   "5282126"   "5285369"   "5349514"   "5392206"   "5555150"   "5644480"   "5646832"   "5689409"   "5703767"   "5715153"   "5731966"   "5742495"   "5754413"   "5812383"   "5812385"   "5875103"   "5880942"   "5943225"   "5949154").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/30 13:18
S57	3	("4685039"   "4754385"   "5225767").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/30 13:24
S58	6	("2849659"   "3198986"   "3534226").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/30 13:30
S59	8	("4264951"   "4330815"   "4517634"   "4680692"   "4888674"   "5182702"   "5396411"   "5535113").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/03 09:15
S60	1	("4475150").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/03 09:59
S63	1	("3731183").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/03 10:11
S64	1670	shunt adj connection	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/03 10:12
S65	20	S64 and power adj network	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/03 10:13
S66	3	S64 and VSC	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/03 10:13
S67	6	("4939617"   "4999565"   "5032738"   "5309346"   "5343139"   "5825162").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/03 10:16
S68	11	("3936727"   "3963978"   "4356440"   "4434376"   "4567424"   "4680531"   "4829229"   "4999565"   "5032738"   "5343139"   "5420495").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/03 10:22

## EAST Search History

S69	30	("3731183"   "3745437"   "3855134"   "3932808"   "3936727"   "3992661"   "3999115"   "3999117"   "4096431"   "4104576"   "4156176"   "4204151"   "4210860"   "4234843"   "4255700"   "4302715"   "4353024"   "4356441"   "4357570"   "4434376"   "4437052"   "4438386"   "4451777"   "4470005"   "4472674"   "4513240"   "4555659"   "4560917"   "4567424"   "4621198").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/03 11:47
S70	887	(307/87).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/01/03 11:47
S73	32	S70 AND(REACTIVE ADJ POWER)	US-PGPUB; USPAT	OR	ON	2006/01/03 11:49
S74	4	("5493485"   "5686766"   "6172889"   "6219623").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/03 12:10
S75	3	("4878208"   "5327336"   "5493485").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/03 12:23
S76	3	("3909621"   "4652770"   "4677309").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/03 13:21
S77	321	(307/31).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/01/03 13:22
S78	14	S77 AND REACTIVE ADJ POWER	US-PGPUB; USPAT	OR	ON	2006/01/03 13:22
S79	3	("4677535"   "4794316"   "5047909").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/03 13:39
S80	9	("3794846"   "4376295"   "4492874"   "5606244"   "5642006"   "5761073"   "6072302"   "6104171"   "6118187").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/03 14:25
S81	2	("4417194"   "4695932").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/03 15:39
S82	5	("3959719"   "3968422"   "4041370"   "4068159"   "4172234").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/03 16:13
S83	13	("3419785"   "3444450"   "3449653"   "3551799"   "3742336"   "3745437"   "3768001"   "3829759"   "3882369").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/03 16:21

## EAST Search History

S84	5	("3936727"   "3999117"   "4047097"   "4104576"   "4139723").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/04 08:44
S85	5	("2606966"   "3936727"   "3999117"   "4104576").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/04 08:54
S86	20	("2284406"   "2333015"   "2716736"   "2825869"   "3409822"   "3757201"   "4163189"   "4210859"   "4393157"   "5404101"   "5672967"   "5936503"   "6232865"   "6307468"   "6429765").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/04 10:02
S87	6	("4939617"   "4999565"   "5032738"   "5309346"   "5343139"   "5825162").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/04 10:22
S88	1	("4752726").PN.	US-PGPUB; USPAT	OR	OFF	2006/01/04 10:22
S89	3	("3936727"   "4028614"   "4602199").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/04 10:23
S90	3	("3936727"   "4028614"   "4602199").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/04 10:40
S91	1	("4028614").PN.	US-PGPUB; USPAT	OR	OFF	2006/01/04 10:40
S92	12	("3821564"   "4472674"   "4475739"   "4571535"   "4638238"   "5268833"   "5434497"   "5907234"   "5969509"   "6025701"   "6107785").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/04 10:45
S93	12	("4496899"   "4602206"   "5138247"   "5187427"   "5329221"   "5343139"   "5369353"   "5465203"   "5642007"   "5698969"   "5754035"   "5818208").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/04 10:53
S94	27	("3936727"   "3963978"   "3999117"   "4000455"   "4028614"   "4068159"   "4172234"   "4174497"   "4188573"   "4204151"   "4234842"   "4255700"   "4357570"   "4644248"   "4691325"   "4698581"   "4733156"   "4752726"   "4788653"   "4851757"   "4967129"   "5115740"   "5300876"   "5438588"   "5448167"   "5463653"   "5570007").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/04 11:06

## EAST Search History

S95	12	("4356441"   "4555659"   "5166597"   "5198746"   "5309346"   "5329221"   "5329222"   "5343139"   "5420495"   "5469044"   "5610501"   "5646511").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/04 13:14
S96	1891	VSC	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/04 13:16
S98	54	S96 AND TRANSMISSION ADJ LINE\$2	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/04 13:17
S99	9	("5343139"   "5351181"   "5698969"   "5751138"   "5831843"   "5841267"   "6411067"   "6507503"   "6603675").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/04 13:21
S10 0	34	("3863140"   "4063144"   "4410935"   "4460834"   "4473756"   "4564767"   "4651265"   "4686375"   "4713745"   "4728808"   "4800326"   "4811236"   "4812779"   "4814683"   "4827150"   "4835454"   "4862054"   "4876460"   "4937720"   "4943783"   "4962339"   "4962976"   "4980812"   "4994956"   "4996462"   "5001619"   "5016157"   "5038092"   "5047909"   "5047910"   "5047914"   "5051704"   "5075634"   "5077532").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/04 14:57
S10 1	27	BIJLENGA-BO	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/04 14:57
S10 2	10	("4695932"   "4731547"   "5146383"   "5204548"   "5256993"   "5329222"   "5376828"   "5514915"   "5610958"   "5656870").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/04 15:24
S10 5	251	VOLTAGE ADJ SOURCE ADJ CONVERTER	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/04 15:25
S10 6	0	("26ANDREACTIVEADJPOWER").PN.	US-PGPUB; USPAT	OR	OFF	2006/01/04 15:26
S10 7	0	("26ANDREACTIVEADJPOWER").PN.	US-PGPUB; USPAT	OR	OFF	2006/01/04 15:26
S10 8	20	S105 AND TRANSMISSION ADJ LIN\$2	US-PGPUB; USPAT	OR	ON	2006/01/04 15:32
S11 1	15061	"363"/\$.ccls. and (VOLTAGE SOURCE CONVERTER)	US-PGPUB; USPAT	OR	ON	2006/01/06 11:19

## EAST Search History

S11 2	434	S111 AND TRANSMISSION ADJ LINES	US-PGPUB; USPAT	OR	ON	2006/01/06 11:28
S11 4	155	S111 AND POWER ADJ NETWORK	US-PGPUB; USPAT	OR	ON	2006/01/06 11:20
S11 5	1	S112 AND SHUNT ADJ CONNECTION	US-PGPUB; USPAT	OR	ON	2006/01/06 11:20
S11 6	617	S111 AND REACTIVE ADJ POWER	US-PGPUB; USPAT	OR	ON	2006/01/06 11:29
S11 7	114	S116 AND S112	US-PGPUB; USPAT	OR	ON	2006/01/09 11:34

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L18	2	((transmission adj lines) and shunt and impedance and capacitor and converter).clm.	US-PGPUB	OR	ON	2006/07/13 12:57